

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 1.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-012369**Date Inspected:** 25-Feb-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1530**Contractor:** American Bridge/Fluor Enterprises, a JV**Location:** Job Site**CWI Name:** Jim Bowers**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** Orthotropic Box Girders (OBG)**Summary of Items Observed:**

Quality Assurance inspector (QA) Michael Foerder was at the American Bridge/Flour (ABF) job site lay down yard at Pier 7 in Oakland, California between the times noted above in order to monitor Quality Control functions and the in process work being performed by ABF personnel. The following items were observed:

1. Balance of Arrival Inspection Review for Lift 1W
2. Balance of Arrival Inspection Review for Lift 4W
3. Lift 1 West Erection Preparation
4. Project Files and Shop Drawings

**Item 1 Lift 1 West-Exterior Sea Fastening Support Locations.**

The QA inspector performed the pending balance of the arrival inspection review for the exterior sea fastening support locations on this date. The review was not complete previously on 2/16/10 due to ABF craft personnel utilizing the available man-lifts. This condition still exists however; the QA inspector performed a general review from the top deck plate overlooking the edge and from the barge with only minor coating abrasions noted with no significant issues observed from these access areas.

**Item 2 Lift 4 West-Exterior Sea Fastening Support Locations.**

The QA inspector performed the pending balance of the arrival inspection review for the exterior sea fastening support locations on this date. The review was not complete previously on 2/16/10 due to ABF craft personnel utilizing the available man-lifts. This condition still exists however; the QA inspector performed a general review from the top deck plate overlooking the edge plates and from the barge with only minor coating abrasions noted

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with no significant issues observed from these access areas.

### Item 3 Lift 1 West

The QA inspector periodically observed a four man crew of ABF personnel performing the grinding/buffing and removal of the coating from the bevel edges and weld hold back areas of faces A, B, D and E on this date. In addition, ABF personnel are in the process of periodically placing components for scaffolding, welding, lighting, walkways, temporary bolts and other miscellaneous items in preparation of mobilizing lift 1 West to the erection site.

### Item 4 Project Files and Shop Drawings

The QA inspector spent a portion of the shift updating the contract files and tracking logs for QA reports, welder qualification records, welding procedure specifications, procedure qualification records and submittals on this date. In addition, the QA inspector performed shop drawing reviews and posting of comments for assigned submittals on this date.

### Summary of Conversations:

It was relayed to the QA inspector at 1245 Caltrans Structure Representative Brian Boal gave the contractor verbal approval to proceed with the repair plan for the vertical shear plates located in Lift 2 West with formal approval to follow. The repair plan is detailed in Submittal ABF-SUB-001503 R0. This information was relayed verbally to QA lead inspector Bill Levell via phone.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Mohammad Fatemi (916)813-3677, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Foerder, Mike	Quality Assurance Inspector
<b>Reviewed By:</b>	Levell, Bill	QA Reviewer

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